

FIG.1

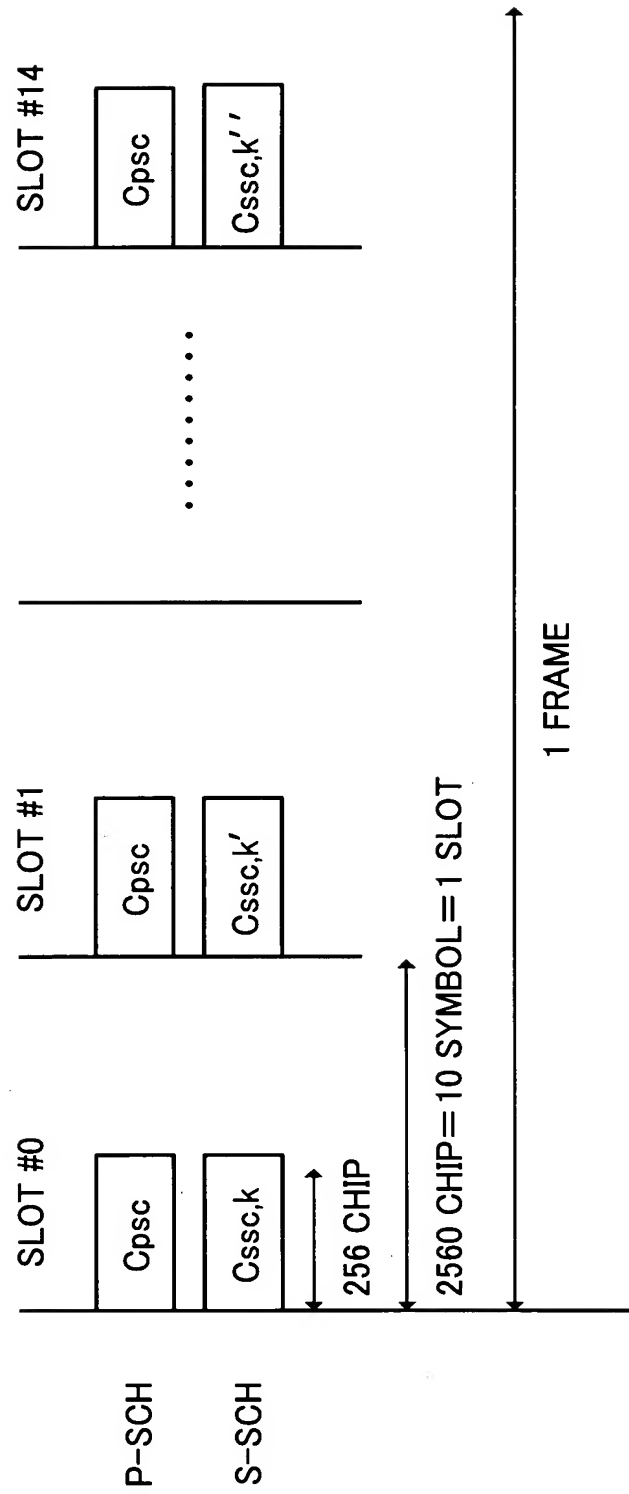


FIG.2

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$$C_{psc} = (1+j) \times \langle a, a, a, -a, -a, a, -a, -a, a, a, a, -a, a, -a, a, a \rangle$$

$$\text{where } a = \langle 1, 1, 1, 1, 1, 1, 1, -1, -1, 1, -1, 1, -1, 1, -1, 1 \rangle$$

FIG.3A

Hadamard sequence

$$H_0 = [1]$$

$$\begin{pmatrix} H_{n-1} & H_{n-1} \\ H_{n-1} & -H_{n-1} \end{pmatrix}$$

$$H_8 = \begin{pmatrix} h_0 \\ h_1 \\ h_2 \\ \vdots \\ h_{255} \end{pmatrix} = \begin{pmatrix} h_0(0) & h_0(1) & \dots & h_0(255) \\ h_1(0) & h_1(1) & \dots & h_1(255) \\ h_2(0) & h_2(1) & \dots & h_2(255) \\ \vdots & \vdots & \dots & \vdots \\ h_{255}(0) & h_{255}(1) & \dots & h_{255}(255) \end{pmatrix}$$

$$z = \langle b, b, b, -b, b, b, -b, -b, b, -b, b, -b, -b, -b, -b, -b \rangle$$

$$b = \langle 1, 1, 1, 1, 1, 1, -1, -1, -1, 1, -1, 1, -1, 1, 1, -1 \rangle$$

$$C_{ssc,k} = (1+j) \times \langle hm(0) \times z(0), \dots, hm(255) \times z(255) \rangle$$

$$\text{where } m = 16 \times (k-1), k=1 \sim 15$$

FIG.3B

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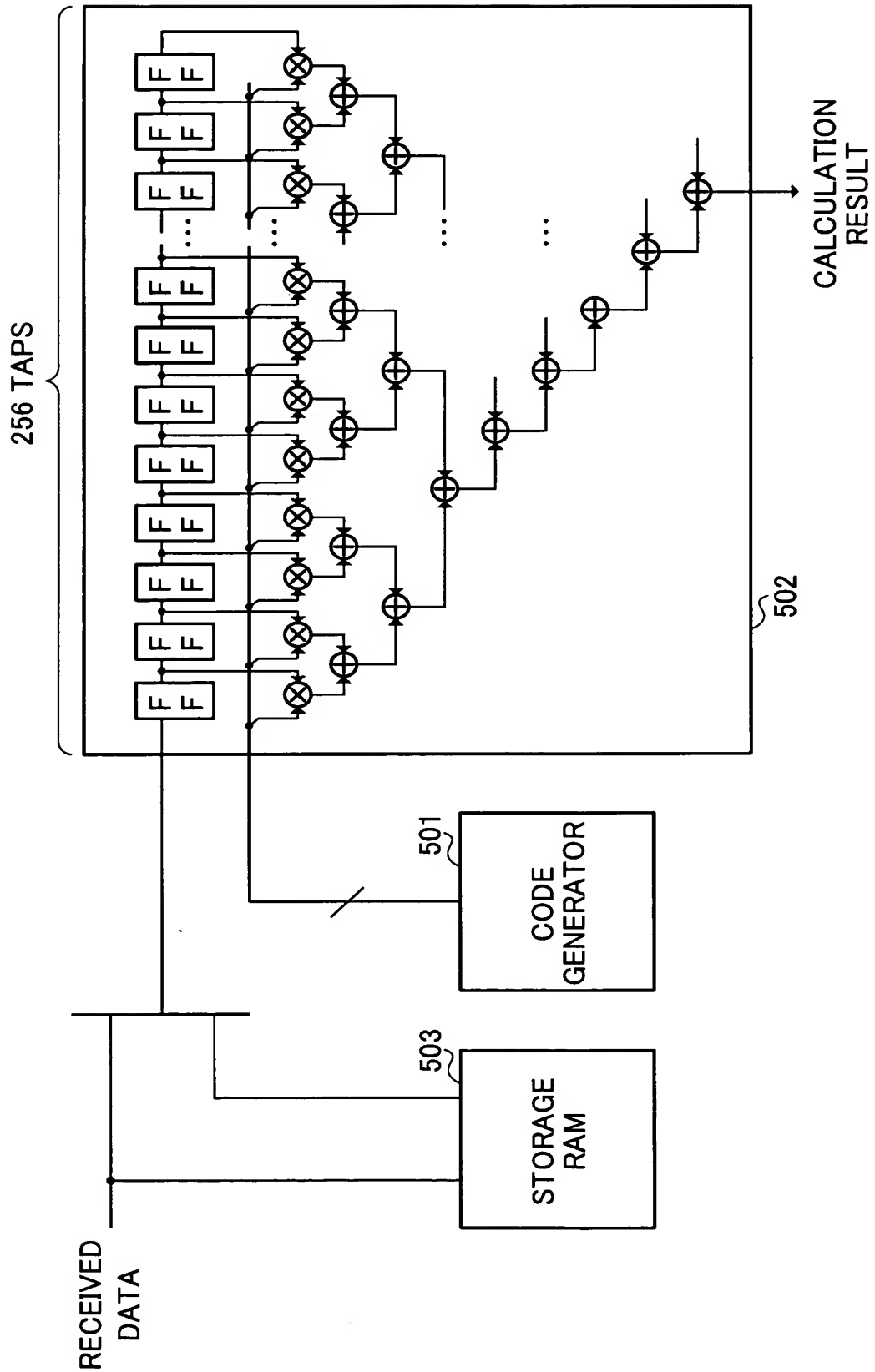


FIG.4

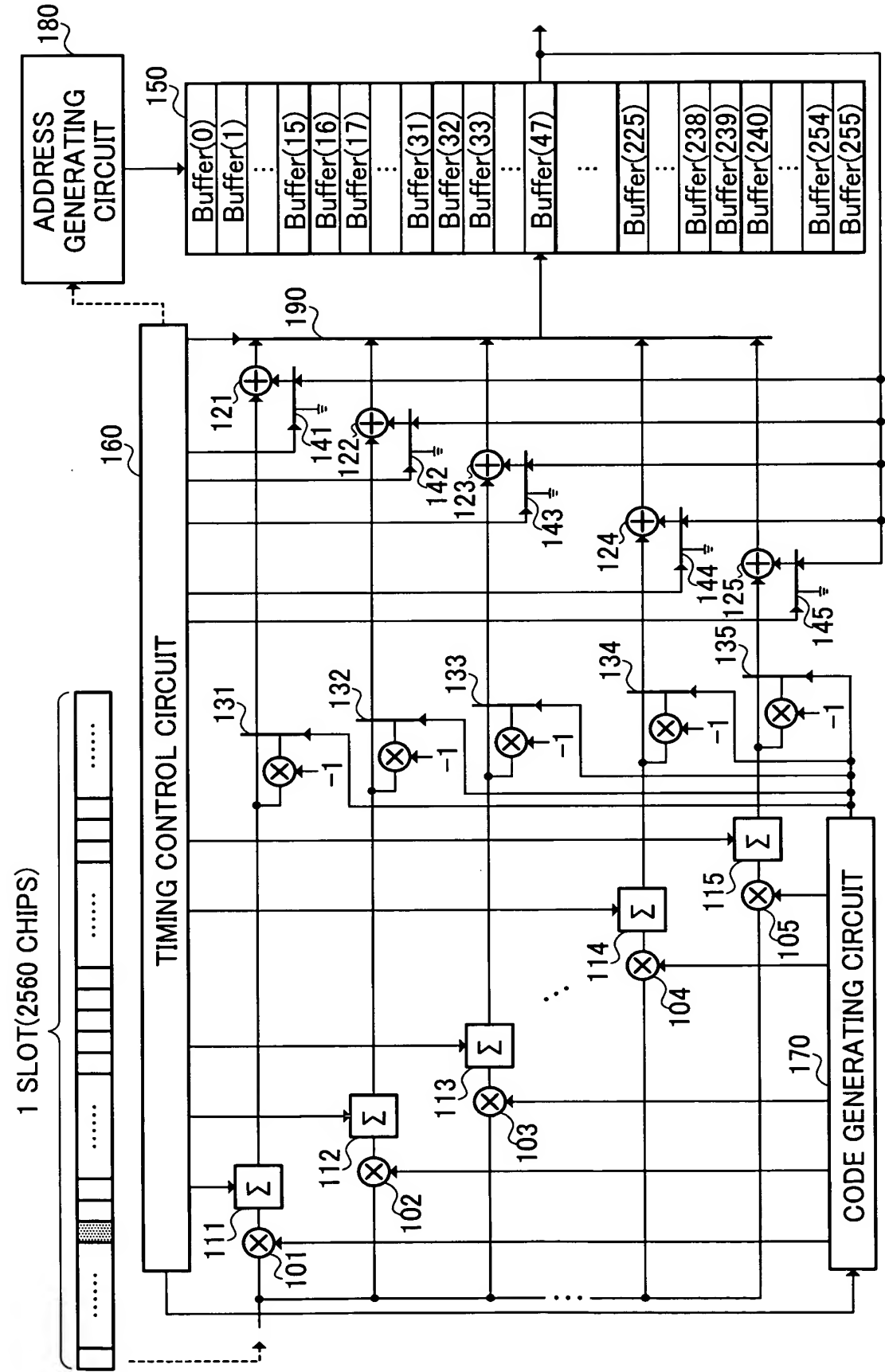


FIG.5